

LMOL report for 2017 July 18 operations

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Lidar operators at the CBBT: Betsy Farris, Guillaume Gronoff

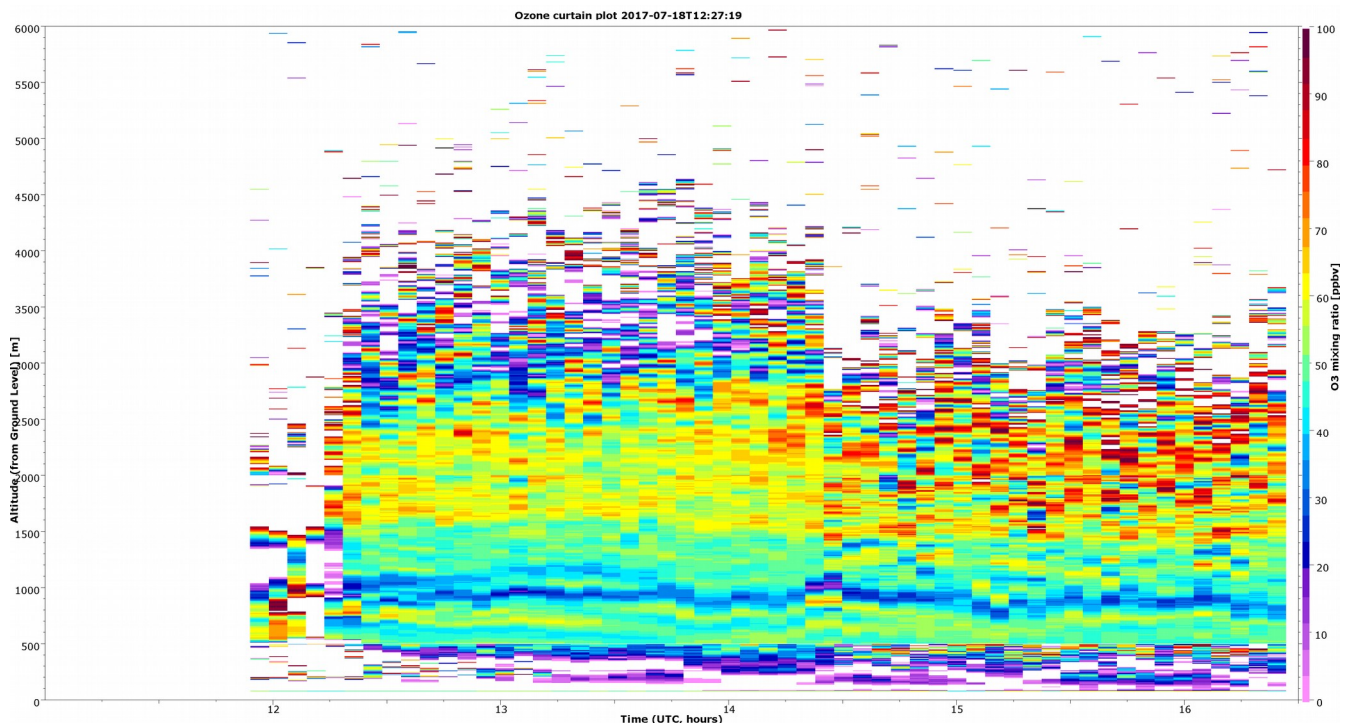
Sonde operator: Travis Knepp

Lidar operations

The lidar performed nominally for the entire time period: a full coverage has been done between 12:00 to ~16h30 UT). (i.e. 8h-12h30 local time).

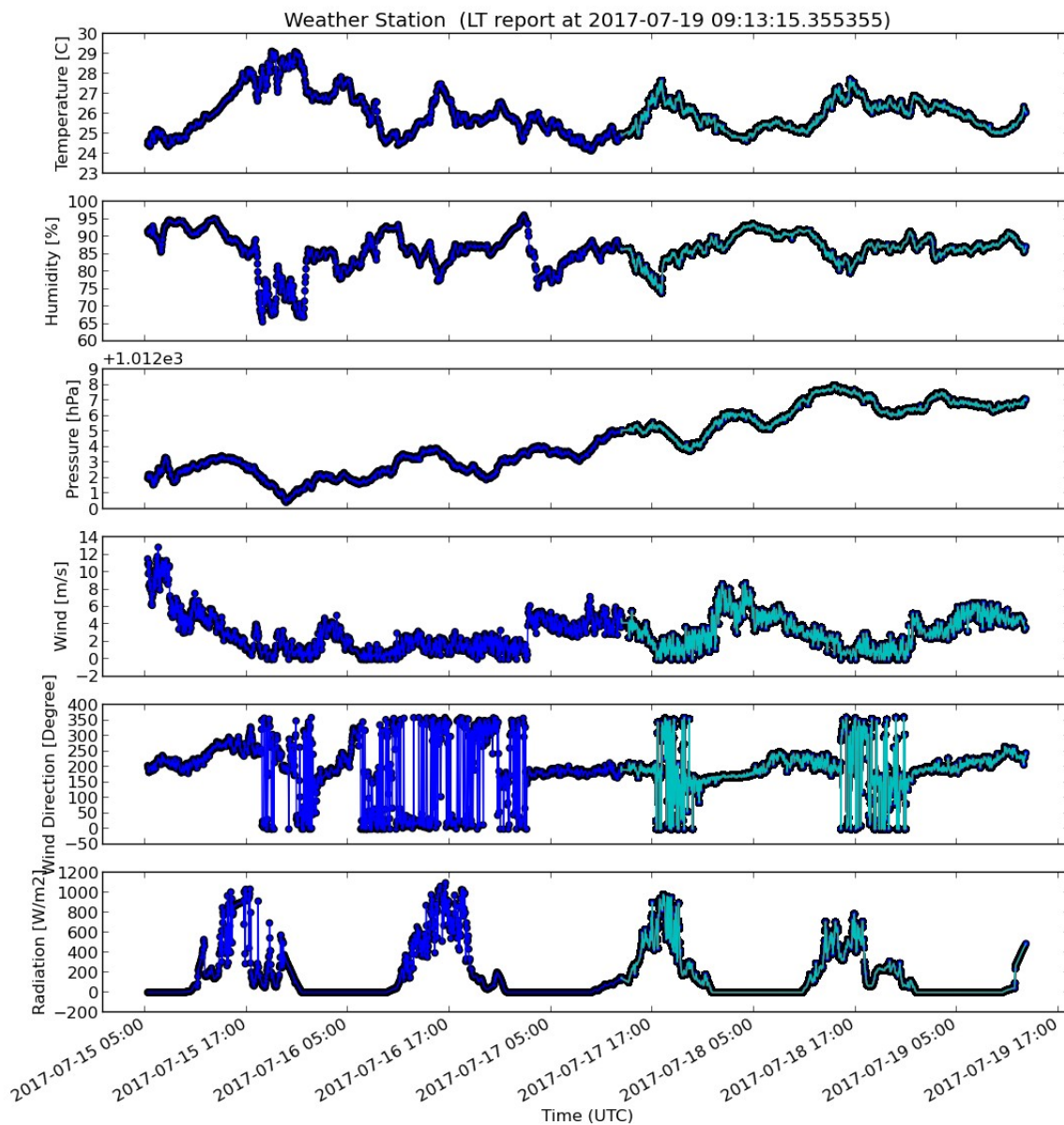
The first quick look is below.

This is an UNOFFICIAL and PRELIMINARY data plot, extreme values, especially at high altitude and low altitude are not to be believed, other problems may have occurred, the absolute values are very likely to change. The sonde temperature/pressure data were not used in the making of this plot.

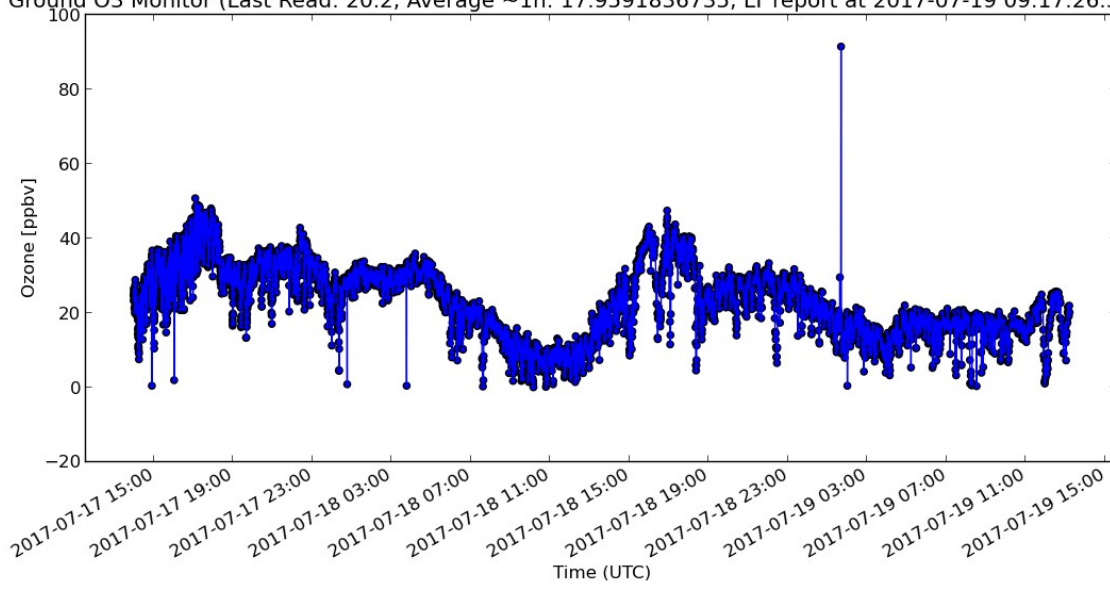


Weather station and O3 monitor:

The weather station performed nominally. **UNOFFICIAL data plots below**



Ground O3 Monitor (Last Read: 20.2, Average ~1h: 17.9591836735, LT report at 2017-07-19 09:17:26.392399)



Other:

- The Davis station is reporting non-official data to internet on <http://www.weatherlink.com/user/lmollarc/> .

Remarks:

- A lot of clouds were present that day

The NO₂ data seems too high. Apparently some condensation in the filter caused the problem.